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Application No.: 10/719973
Docket No.: FL0214USNA
Confirmation No.: 3574

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Amendments to Claims

1. (canceled)
2. (canceled)
3. (canceled)
4. (canceled)
5. (canceled)
6. (previously amended) Process for rotolining the interior surface of a hollow article, comprising, adding a composition consisting essentially of particles of fluorine treatment stabilized tetrafluoroethylene-perfluoro(alkyl vinyl ether) copolymer and adhesion-promoting, non-bubble promoting metal powder to the interior of said hollow article, said metal powder constituting no greater than about 2 wt% of said composition, rotating said article to distribute the composition over said interior surface, heating said article while it is rotating to melt said copolymer particles to form a continuous bubble-free lining comprising said copolymer and said metal powder on said interior surface, and cooling said article, and obtaining as a result thereof said bubble-free lining adhering to said surface, said adhering being characterized by a peel strength of at least about 25 lb/in.
7. (canceled)
8. (previously amended) Process of claim 6 and additionally overcoating said lining with said stabilized copolymer.
9. (original) Process of claim 8 wherein said overcoat has a thickness of at least about 2.5 mm.
10. (canceled)
11. (canceled)
12. (previously amended) Process of claim 6 wherein said metal powder is zinc.

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13. (previously amended) Process of claim 6 wherein said metal powder contains tin.
14. (previously amended) Process of claim 6 wherein said metal powder contains copper.
15. (previously amended) Process of claim 6 wherein said metal powder is a combination of metals.
16. (original) Process of claim 15 wherein said combination of metals is selected from at least one of the group consisting of brass and bronze.
17. (original) Process of claim 6 wherein said stabilized copolymer has less than about 80 unstable end groups/ 10^6 carbon atoms in said copolymer.
18. (original) The process of claim 17 wherein said unstable end groups are $-\text{COOH}$, $-\text{CONH}_2$, $-\text{CH}_2\text{OH}$, $-\text{CO}_2\text{CH}_3$, $-\text{CF}=\text{CF}_2$, and $-\text{COF}$.
19. (original) The lining formed by the process of claim 6.
20. (previously amended) Composition for obtaining a bubble-free, adherent rotolining, said composition consisting essentially of particles of fluorine treatment stabilized tetrafluoroethylene/perfluoro(alkyl vinyl ether) copolymer and adhesion promoting, non-bubble promoting metal powder constituting no greater than about 2 wt% of said composition.
21. (original) The composition resulting from the composition of claim 20 after melting and then cooling of said copolymer.
22. (previously amended) The composition of claim 20 wherein said metal powder constitutes 0.3 to 1.2 wt% of said composition.
23. (previously amended) The composition of claim 20 wherein said composition is a mixture of said particles of said stabilized copolymer and said metal powder.
24. (previously amended) Composition for obtaining a bubble-free, adherent rotolining, said composition consisting essentially of particles of tetrafluoroethylene/perfluoro(methyl vinyl ether)/perfluoro(propyl vinyl ether) copolymer and adhesion-promoting, non-bubble promoting metal powder constituting no greater than about 2 wt% of said composition.

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25. (previously amended) Process for rotolining the interior surface of a hollow article, comprising, adding a composition consistently essentially of particles tetrafluoroethylene/perfluoro(methyl vinyl ether)/perfluoro(propyl vinyl ether) copolymer and adhesion-promoting, non-bubble promoting metal powder to the interior of said hollow article, said metal powder constituting no greater than about 2 wt% of said composition, rotating said article to distribute the composition over said interior surface, heating said article while it is rotating to melt said copolymer particles to form a continuous bubble-free lining comprising said copolymer and said metal powder on said interior surface, and cooling said article, and obtaining as a result thereof said bubble-free lining adhering to said surface, said adhering being characterized by a peel strength of at least about 25 lb/in.

26. (previously amended) The process of claim 6 wherein said metal powder constitutes 0.3 to 1.2 wt% of said composition.

27. (previously amended) The process of claim 6 wherein said composition is a mixture of said particles of said stabilized copolymer and said metal powder.

28. (previously amended) The process of claim 8 wherein the thickness of said overcoat is at least about 4 mm.

29. (new) The process of claim 8 wherein the thickness of said overcoat is greater than the thickness of said lining undercoat.

30. (new) The process of claim 8 wherein the thickness of said overcoat is at least about 1.5 mm (60 mils).